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## LPR12-30, LPR12-60, LPR48-30, LPR48-60

±190VDC to 12VDC or 48VDC Line Power Remote Supply Unit



- ±190V to 12V or 48V DC-DC Downconverter for remote/line powering single family, multi-dwelling unit (FTTH), premises (FTTP) or muni WiFi networks
- High efficiency 89% for reduced OPEX costs and carbon footprint
- Utilize existing copper pair networks for distributing power
- Reduce truck rolls and operating expenses with no batteries at remote sites
- Compact, self-enclosed design ideal for mounting on the side of houses or aerial strands
- Built in power holdup ensures remote equipment rides through line surges

**The LPR is a family of DC-DC Down converters that transforms ±190VDC into 12VDC or 48VDC for powering the Optical Network Terminal (ONT) in a FTTH network or access points in a muni WiFi deployment.**

It is a line-powered system that uses the copper telephone network and eliminates the need for commercial power and back-up batteries. The unit is packaged in an environmentally hardened enclosure that is designed to be installed outdoors on the side of the house, multi-dwelling unit or building, or aerial strands.

The unit can provide 30 or 60W of DC power via a standard twisted pair copper wire input. It is packaged in a telecom grade enclosure with a tamper-proof seal or small lock.

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LPR12-30 P/N: 0120040-001, LPR48-30 P/N: 0120042-001, LPR12-60 P/N: 0120041-001, LPR48-60 P/N: 0120043-001

Electrical	
<b>Input Voltage:</b>	200 to 380VDC ( $\pm 100$ to $\pm 190$ VDC)
<b>Number of Inputs:</b>	1 Channel
<b>Output Voltage:</b>	<b>LPR 12-30:</b> 12.0 - 12.5VDC <b>LPR 12-60:</b> 12 - 14VDC <b>LPR 48-30:</b> 47 - 50VDC <b>LPR 48-60:</b> 54 - 56VDC
<b>Power:</b>	30W (LPR 12-30/48-30) 60W (LPR 12-60/48-60)
<b>Efficiency:</b>	>86% (12V) - 89% (48V)
Performance / Features	
<b>LED:</b>	Presence of network line power providing output voltage
<b>Connections:</b>	8 pin molex connectors
<b>Wall Mounting:</b>	Three #8 x 1½" pan head screws with RTV sealing compound

Mechanical	
<b>Dimensions:</b>	<b>mm:</b> 202H x 138W x 52D <b>inches:</b> 7.9H x 5.4W x 2.0D
<b>Weight:</b>	0.78kg (1.7lbs)
Environmental	
<b>Temperature:</b>	-40 to 65°C (-40 to 149°F)
<b>Humidity:</b>	5 to 95% RH non-condensing
Agency Compliance	
<b>Enclosure:</b>	NEMA 3R
<b>Safety:</b>	<ul style="list-style-type: none"> <li>• UL 60950-1</li> <li>• CSA/UL 60950-21 (RFT-V circuit compatible)</li> <li>• CSA/UL 60950-22</li> <li>• UL50E</li> </ul>
<b>Emissions:</b>	<ul style="list-style-type: none"> <li>• CFR47 (FCC) Part 15 Class A</li> <li>• EN 300 386 V1.6.1</li> </ul>



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